

SEQUENCE LISTING

<110> Pharmacia and Upjohn

<120> Crystallization and Structure Determination of
Staphylococcus Aureus Nad Synthetase

<130> 268.63150101

<140> Unassigned

<141> 2001-01-30

<150> 60/179,261

<151> 2000-01-31

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 282

<212> PRT

<213> S.aureus

<400> 1

Met Gly Ser Lys Leu Gln Asp Val Ile Val Gln Glu Met Lys Val Lys
1 5 10 15

Lys Arg Ile Asp Ser Ala Glu Glu Ile Met Glu Leu Lys Gln Phe Ile
20 25 30

Lys Asn Tyr Val Gln Ser His Ser Phe Ile Lys Ser Leu Val Leu Gly
35 40 45

Ile Ser Gly Gly Gln Asp Ser Thr Leu Val Gly Lys Leu Val Gln Met
50 55 60

Ser Val Asn Glu Leu Arg Glu Glu Gly Ile Asp Cys Thr Phe Ile Ala
65 70 75 80

Val Lys Leu Pro Tyr Gly Val Gln Lys Asp Ala Asp Glu Val Glu Gln
85 90 95

Ala Leu Arg Phe Ile Glu Pro Asp Glu Ile Val Thr Val Asn Ile Lys
100 105 110

Pro Ala Val Asp Gln Ser Val Gln Ser Leu Lys Glu Ala Gly Ile Val
115 120 125

Leu Thr Asp Phe Gln Lys Gly Asn Glu Lys Ala Arg Glu Arg Met Lys
 130 135 140

Val Gln Phe Ser Ile Ala Ser Asn Arg Gln Gly Ile Val Val Gly Thr
 145 150 155 160

Asp His Ser Ala Glu Asn Ile Thr Gly Phe Tyr Thr Lys Tyr Gly Asp
 165 170 175

Gly Ala Ala Asp Ile Ala Pro Ile Phe Gly Leu Asn Lys Arg Gln Gly
 180 185 190

Arg Gln Leu Leu Ala Tyr Leu Gly Ala Pro Lys Glu Leu Tyr Glu Lys
 195 200 205

Thr Pro Thr Ala Asp Leu Glu Asp Asp Lys Pro Gln Leu Pro Asp Glu
 210 215 220

Asp Ala Leu Gly Val Thr Tyr Glu Ala Ile Asp Asn Tyr Leu Glu Gly
 225 230 235 240

Lys Pro Val Thr Pro Glu Glu Gln Lys Val Ile Glu Asn His Tyr Ile
 245 250 255

Arg Asn Ala His Lys Arg Glu Leu Ala Tyr Thr Arg Tyr Thr Trp Pro
 260 265 270

Lys Ser Arg Ser His His His His His His
 275 280

<210> 2
 <211> 271
 <212> PRT
 <213> B.subtilis

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 Ser Met Gln Glu Lys Ile Met Arg Glu Leu His Val Lys Pro Ser Ile
 1 5 10 15

Asp Pro Lys Gln Glu Ile Glu Asp Arg Val Asn Phe Leu Lys Gln Tyr
 20 25 30

Val Lys Lys Thr Gly Ala Lys Gly Phe Val Leu Gly Ile Ser Gly Gly
 35 40 45

Gln Asp Ser Thr Leu Ala Gly Arg Leu Ala Gln Leu Ala Val Glu Ser

60

His Lys Arg Gln Val Pro Ala Ser Met Phe Asp Asp Trp Trp Lys
260 265 270

[illegible]